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AUTHOR Dunn, Pat
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ABSTRACT

The purpose of this game, intended for grades 7-9, is to enable students to have fun and enjoy mathematics while learning and reinforcing: (1) mathematical concepts and applications; (2) mathematical computations; (3) geometry; and (4) mathematics for daily living. A gameboard and 232 question/answer cards are provided. Rules for play are included. (YP)

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A Good Apple Math Activity Book for Grades 7-9

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By
Pat Dunn, SSND

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Math Trivial Pursuit

Junior High Level

Written and Designed by
Pat Dunn, SSND

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Description of Kino Learning Center

Kino Learning Center is a private, nonprofit elementary and secondary school founded in Tucson, Arizona, in 1975 by parents seeking a futuristic learning model for children. The school not only emphasizes the conventional skills of reading, writing and computing, but goes beyond these basics to the futuristic skills of choosing, relating, valuing, creating and learning how to learn.

Within the prepared environment of the school, each student is free to choose from worthwhile options, a sequence of activities unique to his/her needs and experiences, and in which he/she finds success, interest and pleasure. Each student is free to develop in the way and at the pace appropriate to his/her needs, abilities and interests. The school places special emphasis on individual discovery, on firsthand experience and on creative work.

At Kino Learning Center, adults, teenagers and children mutually engaged in the learning process are continually in the process of changing and growing, for to learn is to change. And to experience joy in learning is to delight in life itself, for learning and life are one.

The curriculum at Kino Learning Center consists of teacher-made learning packets containing facts, processes and values related to topics of interest to the students. These learning packets have been expanded into workbooks for use by teachers and students throughout the United States and Europe. Over thirty books are presently in circulation. The profits from the sale of these books are used to enhance the learning environment at Kino Learning Center.

Acknowledgements

I want to express my sincere appreciation to the following people:

Mary Lou Tucker, who worked each of the problems in this book to check for accuracy in the answers; Judy Bisignano, O.P., who spent many hours proofreading the manuscript; and Paulette Bustamante, who through diligent and persevering efforts, accomplished the typing and perfecting of this manuscript.

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Purpose of Game

The purpose of *Math Trivial Pursuit* is to have fun and enjoy mathematics while learning and reinforcing mathematics in the following categories:

Mathematical Concepts and Applications

Mathematical Computations

Geometry

Mathematics for Daily Living

Game Parts

Gameboard

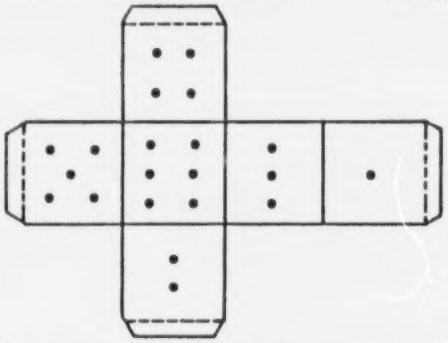
Carefully remove and unfold the gameboard from the center of the book.*

Playing Cards

Math Trivial Pursuit contains 232 game cards with four questions and answers per card. Each page of the book contains eight game cards. Separate the cards by cutting along the solid lines. To assure greater durability, you may want to laminate each page before cutting out the cards.

Die

One die is needed to play Math Trivial Pursuit. A pattern for making a die is shown at the right. Glue the pattern to a piece of tagboard. Cut out the pattern. Fold along the solid lines. Place glue on the dotted tabs. Fold the tabs inside the cube. Hold until dry. (Note: You may want to obtain a commercially made die from a toy store.)



Pawns

You will need a game pawn for each player or team. Buttons, coins, bottle caps or other similar items may be used. Pawns may also be purchased at a toy store.

Container

Place the game cards in a small box for safekeeping. Store your gameboard, playing cards, die and pawns in a box or Baggie.

* A reduced copy of the gameboard appears after p. 26.

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Rules for Play

1. Each player selects a pawn and writes his/her name on the Game Tally Sheet.
2. Each player rolls the die. The player rolling the highest number begins the game. In a tie, these players roll again to determine who begins the game.
3. The first player rolls the die again. Starting from the hub in the center of the board, the player moves the pawn the indicated number of spaces along any spoke. The first move for each player will end either in a category headquarters at the end of a spoke or in a category space.
4. When a pawn lands in a category space or category headquarters, the player is asked a question in that category.

Category Spaces and Headquarters Are Indicated by Geometric Shapes as Follows:

Mathematical Concepts and Applications

Mathematical Computations

Geometry

Mathematics for Daily Living

5. The question, next to the appropriate geometric shape, is taken from the card box and is read by another player. Answers are on the opposite side of each card. If the player correctly answers the question, the player's turn continues with another roll of the die. If the player answers incorrectly, the turn passes to the left.
6. With each die roll, a move may be made in either direction around the octagonal path or on any of the spoke paths. A combination move along the octagonal path and up a spoke path is permitted. Backtracking—a combination of forward and backward moves on one die roll—is not permitted. For example, if a player's pawn is one space from a desired category space or headquarters and a die roll of five is made, a move of 3 forward and 2 backward cannot be made.
7. A player must always move the number of spaces shown on the die.
8. The card is placed at the end of the pile after each question.
9. When a player has correctly answered a question in a category headquarters at the end of a spoke along the octagonal path, a check mark is placed by that player's name under the appropriate geometric shape on the Game Tally Sheet. If the player answers incorrectly, the pawn must leave the headquarters on the next turn. It can later reenter headquarters and the player may attempt another question for credit.

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10. A player landing on one of the four "Roll Again" spaces continues his/her turn by rolling the die again.
11. A player landing on "Player May Choose" may select to answer a question from any of the four categories during his/her turn.
12. Any number of pawns may occupy the same space at the same time.
13. When a pawn lands in the hub, before the player has met the four headquarter requirements to be able to win the game, the hub is treated as a wild card space and the player chooses the category for the subsequent question.
14. After a player has correctly answered a question in all four category headquarters, the player's pawn must make its way to the hub to attempt to win the game.
15. The pawn must land in the hub by an exact roll of the die. If a player overshoots the hub, he/she must successfully answer a question in the category on which he/she lands and try again to enter the hub on an exact roll of the die. If the question is not answered correctly, the player must wait for his/her next turn.
16. When the pawn lands in the hub, opposing players select the category for a final question, by simple agreement or a vote, and the next card is drawn.
17. If the question is answered correctly, the game is won. If the question is answered incorrectly, the player must leave the hub on the next turn and reenter for another question.
18. Because a correct answer always means another roll of the die, a player may meet the game-winning requirements on the first turn. If this happens, any player who has not yet had a turn is permitted a chance to duplicate the feat and create a tie.
19. The players determine how long they have to answer a question and how precise an answer must be. Time and accuracy may vary for each player.
20. The players determine how they want to solve the problems—mental computation, written computation, or use of a calculator.

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Tally Sheets

Make copies of the tally sheets below. Put a check (✓) in the box when you or your team lands on a headquarter space and correctly answers the question for that category.

Game Tally Sheet					
Player or Team	●	■	▲	⬢	The Win!

Game Tally Sheet					
Player or Team	●	■	▲	⬢	The Win!

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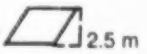
- A number that tells how likely it is that a certain number or event will occur is called ___?___.
- Find n. $8n + 14 = 118$
- Find the area of a circle with a radius of 5 meters.
- A person's annual salary is $23,568. Find the monthly salary.

- A number containing a whole number part and a fractional part is called a ___?___.
- Find n. $15 - (-3) = n$
- Find the volume for a rectangular prism that has a length of 12 m, a width of 10 m, and a height of 4 m.
- A recipe calls for 180 ml of milk. How much milk is needed to triple the recipe?

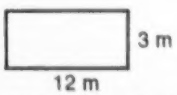
- State 6% as a decimal.
- Find n. $-42 \div (-7) = n$
- Find the area of a cylinder if the radius is 5 m and the height is 23 m. Use this formula: $2\pi rh + 2\pi r^2$.
- If 3 cans of soup cost 78¢, what is the cost for 1 can?

- The middle number in a series when the numbers are in order is called the ___?___.
- Arrange the numbers in order from the least to the greatest. -6, 0, +5, -2, -7, +4
- Find the area in meters. 

- Complete the statement. 8 cm^3 of water is equal to ___?___ ml of water and has a mass of ___?___ g.

- A statement that two ratios are equal is called ___?___.
- Find n. 12% of 60 = n
- Find the area of a cube with 6.3 cm sides.
- If your apartment rent is $325 per month, how much rent would you pay in 6 months?

- The number occurring most often in a series of numbers is called the ___?___.
- Find n. $n - 3.4 = 5.6$
- Find the area of a triangle in cm that has a base of 4 cm and a height of 6 cm.
- The temperature of a glass of ice water is about ___?___ °C. a) 7, b) 49, c) 100

- The measure of the quantity of matter that an object contains is called ___?___.
- Evaluate $18 - x + y$ when $x = 6$ and $y = 2$.
- Find the perimeter. 

- How many boxes will be needed to pack 864 items if each box holds 12 items?

- Find the mean of 72, 83, 76, 81 and 93.
- Find n. $10^3 \times 10^4 = n$
- Find the volume of a sphere having a radius of 3 m. Use this formula: $V = 4/3\,\pi r^3$
- The height of a one-story house is approximately ___?___. a) 12 mm, b) 12 cm, c) 12 m, d) 12 km

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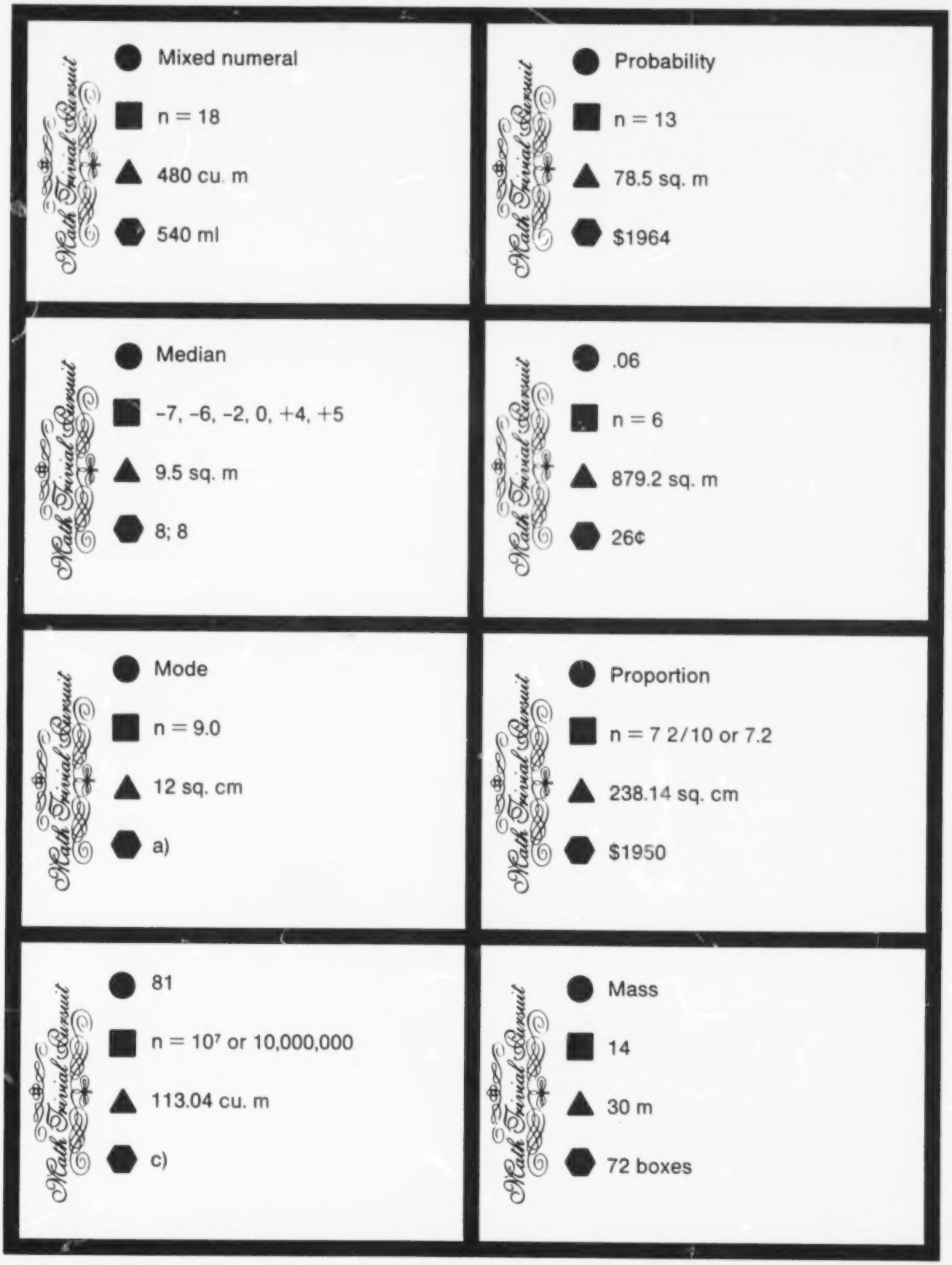

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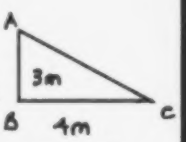
● Numbers less than zero, such as -1, -8, and -12 are called ___?___.

■ Find n. $-8 \times 2 = n$

▲ Use $a^2 + b^2 = c^2$. Find $\overline{ac}$.



⬢ What does it mean to triple a recipe?

● Two numbers whose sum is zero, such as -9 and +9 are called ___?___.

■ Find n. $3/8 \times 8/9 = n$

▲ Find the area of a living room with a length of 8 m and a width of 5 m.

⬢ The mass of a man is approximately ___?___. a) 90 mg, b) 900 mg, c) 90 g, d) 90 kg

● TRUE OR FALSE: 43 is a prime number.

■ Find n. 10 is 25% of n

▲ Find the volume of a cube with a radius of 3 m and a height of 10 m. Use this formula: $V = 1/3\ \pi r^2h$.

⬢ The price of a $30 item is discounted 25%. What is the sale price?

● In a fraction, the number above the fraction bar is called ___?___.

■ Find n. $2\ 1/2 \div 3/8 = n$

▲ An angle whose vertex is the center of a circle is called a ___?___.

⬢ Mike had $18. After being paid for working 6 hours, he then had a total of $39. How much was he paid per hour?

● A number obtained by dividing the sum of two or more addends by the number of addends is called finding the ___?___.

■ Find n. $10/8 = n/12$

▲ Find the volume of a cylinder that has a radius of 10 m and a height of 20 m. Use this formula: $V = \pi r^2h$.

⬢ The ratio for 7 sit-ups in 10 seconds is ___?___.

● One of two equal factors of a number is called the ___?___.

■ Find n. $9/16 \div 1/2 = n$

▲ The area of all the faces of a space figure is called ___?___.

⬢ Your checkbook balance is $423.10. You make a debit of $136.23 and a deposit of $48.85. What is your new balance?

● The amount of space occupied by a three-dimensional figure as measured in cubic units is called the ___?___.

■ Find n. $-8 - (+5) = n$

▲ Find the circumference of a circle that has a diameter of 10 mm.

⬢ Kevin cut a lawn in 2 1/4 hours. How long would it take him to cut a lawn two times as large?

● The axes separate a grid into four sections. Each section is a ___?___.

■ Find n. $1/2 \div 50 = n$

▲ A line segment with an endpoint at the center of the circle and an endpoint on the circle is called the ___?___.

⬢ How much does one tire cost if four tires cost $212?

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Math Trivial Pursuit

- Opposite numbers
- n = 1/3
- 40 sq. m
- d)

Math Trivial Pursuit

- Negative numbers
- n = -16
- 5 m
- Make 3 times as much

Math Trivial Pursuit

- Numerator
- n = 6 2/3
- Central angle
- $3.50

Math Trivial Pursuit

- True
- n = 40
- 94.2 cu. m
- $22.50

Math Trivial Pursuit

- Square root
- n =1 1/8
- Total surface area
- $335.72

Math Trivial Pursuit

- Average
- n = 15
- 6280 cu. m
- 7/10 or 7 to 10

Math Trivial Pursuit

- Quadrant
- n = 1/100
- Radius
- $53.00

Math Trivial Pursuit

- Volume
- n = -13
- 31.4 mm
- 4 1/2 hours

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- On a number line, the number that is neither negative nor positive is ?.
- Find n. $10 \div 4\ 3/8 = n$
- Part of a line that has one endpoint and extends infinitely in one direction is called ?.
- Find the interest if the principal is $520, the rate is 2%, and the time is 3 months.

- Two numbers used in a certain order such as (8, 2) are called ?.
- Find n. $10{,}000 \div 100 = n$
- A four-sided polygon with one pair of parallel sides is called a ?.
- If gasoline costs $.99 per gallon, how much will 13 gallons cost?

- A number by which another number is to be multiplied is called the ?.
- Find n. $62.04 \times .09 = n$
- A space figure with two parallel faces that have the same measure is called a ?.
- The yearly gross income is $20,000; federal tax is $3400; and Social Security is $1250. Find the net income.

- State .568 as a percent.
- Evaluate $25/x + 3y$ when $x = 5$ and $y = 7$.
- A triangle containing one right angle is called a ?.
- Find the total cost of four electric bills: $85, $73, $92, and $68.

- Any number in the set 0, 1, 2, 3, 4. . . is called a ?.
- Find n. $-203 \times -68 = n$
- A rectangle with four equal sides is called a ?.
- Betty makes $8 per hour. One day, she worked 4.5 hours. How much did she earn?

- A pair of numbers that expresses a rate or a comparison is called a ?.
- Give the next two ratios. $2/15 = 4/30 = __ = __$
- A 90° angle is called a ?.
- An amount of money borrowed for a certain time period with interest is called a ?.

- On a grid, the point (0, 0) is called ?.
- Find n. $-4\ (-3) - 6(4 + -1) = n$
- A polygon with three sides is called a ?.
- Tom Dudley earned $20,050 last year. There are 52 weeks in a year. On the average, how much was his weekly wage?

- Two numbers whose product is 1, such as 3/4 and 4/3, are called ?.
- Find n. $.2 \times 1000 = n$
- A round space figure shaped like a basketball with all points the same distance from the center is called a ?.
- Expenses greater than the income is called ?.

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Math Trivial Pursuit

- Ordered pairs or coordinates
- n = 100
- Trapezoid
- $12.87

Math Trivial Pursuit

- Zero
- n = 2 2/7
- Ray
- $31.20

Math Trivial Pursuit

- 56.8%
- 26
- Right triangle
- $318.00

Math Trivial Pursuit

- Multiplier
- n = 5.5836
- Prism
- $15,350

Math Trivial Pursuit

- Ratio
- 6/45, 8/60
- Right angle
- Loan

Math Trivial Pursuit

- Whole number
- n = 13,804
- Square
- $36.00

Math Trivial Pursuit

- Reciprocals
- n = 200
- Sphere
- Net loss

Math Trivial Pursuit

- Origin
- n = - 6
- Triangle
- About $386.00

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- A number greater than zero is a ?.
- State 800% as a decimal.
- The measure of the distance around a closed figure is called the ?.
- Profit after expenses have been deducted from the gross income is called ?.

- The value a digit has because of its position in a number is called ?.
- Find n. $6n = 420$
- The ratio of the circumference to the diameter of a circle is equal to ?.
- The price after the discount is subtracted from the original price is called the ?.

- The word that means "hundredths" or "out of 100" is ?.
- Estimate the product to the nearest tenth for $4.2 \times .5189$.
- A four-sided polygon whose opposite sides are parallel is called a ?.
- Write the ratio for 4 batteries for $1.85.

- $3x^2/4x$ written as a fraction in lowest terms is ?.
- Find n. $3n + 8 = 53$
- A simple closed figure made up of line segments is called a ?.
- Income remaining after expenses (or deductions) is called ?.

- Give the reciprocal of 3/4.
- Find n. $13.751 \times 100 = n$
- Figures having the same shape but not necessarily the same size are called ?.
- One unit of ownership in a company or corporation is called a ?.

- A number used in addition is called an ?.
- Find n. $-1 - 8 = n$
- Any angle less than 90° is called an ? angle.
- Which is the better buy: 2 items for 59¢ or 3 items for 82¢?

- A horizontal or vertical line used for reference on a grid is called the ?.
- Round 9.275 to the nearest one.
- Part of a line which contains two endpoints is called a ?.
- Money paid to an individual for work completed is called ?.

- A set of instructions that tells a computer what to do is a ?.
- Find n. $4n + 3n = 63$
- A three-dimensional figure having 6 faces all the same size is a ?.
- A term meaning every year or 12 months is ?.

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Math Trivial Pursuit

- Place values
- n = 70
- π or pi
- Sale price or net price

Math Trivial Pursuit

- Positive number
- 8
- Perimeter
- Net gain

Math Trivial Pursuit

- 3x/4
- n = 15
- Polygon
- Net income

Math Trivial Pursuit

- Percent
- 2.2
- Parallelogram
- 4/1.85

Math Trivial Pursuit

- Addend
- n = -9
- Acute
- 3 for 82¢

Math Trivial Pursuit

- 4/3
- n = 1375.1
- Similar figures
- Share of stock

Math Trivial Pursuit

- Computer program
- n = 9
- Cube
- Annual

Math Trivial Pursuit

- Axis
- 9
- Line segment
- Salary

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- In a fraction, the number below the fraction bar is called the ? .
- Find n. $3/8\ n = 36$
- Lines that lie in the same plane and will never meet are called ? .
- The amount paid for the use of money, borrowed or loaned, is called ? .

- The conversion of an existent system of units into the metric system is called ? .
- Find n. 30% of $n = 45$
- Find the area of a triangle having a base of 12 inches and a height of 3 inches.
- A usually sudden sharp decline in security prices accompanied by increased volume in trading is called a ? .

- If the numerator of a fraction is greater than the denominator, the fraction is called an ? fraction.
- Find n. $\sqrt{144} = n$
- A parallelogram that has four right angles is called a ? .
- Find the gross pay for 46.5 hours at $6.90 an hour.

- One number following another in order is called ? .
- Find n. $(4^2 + 1) \times 6 - 4 = n$
- A ? has exactly one pair of opposite sides that are parallel.
- To dispose of entirely by sale is called a ? .

- The number to be divided in a division problem is called the ? .
- Find n. $n/-10 + 18 = 16$
- The degrees of an angle are measured by a ? .
- If 125 mg of medication is taken every 4 hours, what is the total daily dosage?

- A number that is assumed not to change value in a given mathematical problem is called a ? .
- Find n. $4482 \div 54 = n$
- A ? triangle has no sides congruent.
- What do the initials *GNP* in economy stand for?

- A decimal system of weights and measures based on the meter, liter and kilogram is called the ? .
- Find n. $2/9 \times 1/3 = n$
- A pair of angles on opposite sides of a transversal on the exterior of the intersection with two other lines is called ? .
- What is the age of a person who is a septuagenarian?

- The process of inverting the divisor in a fraction is called the ? .
- Find n. $(6 \times 7) - \left(\frac{5 + 4}{3} \times 8\right) = n$
- A solid figure bounded by five faces is called a ? .
- The term for payment for labor or services is ? .

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Math Trivial Pursuit

- Metrication
- n = 150
- 18 sq. in.
- Sell off

Math Trivial Pursuit

- Denominator
- n = 96
- Parallel lines
- Interest

Math Trivial Pursuit

- Consecutive numbers
- n = 98
- Trapezoid
- Sell out

Math Trivial Pursuit

- Improper
- n = 12
- Rectangle
- $320.85

Math Trivial Pursuit

- Constant
- n = 83
- Scalene
- Gross National Product

Math Trivial Pursuit

- Dividend
- n = 20
- Protractor
- 750 mg

Math Trivial Pursuit

- Reciprocal
- n = 18
- Pentahedron
- Wages or salary

Math Trivial Pursuit

- Metric system
- n = 2/27
- Alternate exterior angles
- 70 or in the 70's

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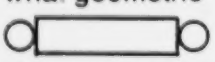
- One of a pair of angles on opposite sides of a transversal on the interior of the intersection with two other lines is called ___?___.
- Find n. $4^2 + 1 \times (6 - 4) = n$
- A polygon made of five angles and five sides is called a ___?___.
- A person who buys and sells securities and acts as a security dealer is called a ___?___.

- The inverse operation of addition is ___?___.
- Find y for the statement $y = 3x$ if $x = 5$.
- A ___?___ is a parallelogram with all sides congruent.
- A period of three months is called a ___?___.

- TRUE OR FALSE: When a number is divided by 1, the quotient is that number.
- Find n. $5/6 + 2/3 + 1/2 = n$
- A right triangle contains one angle with a measure of ___?___ degrees.
- The total amount earned without deductions is called ___?___.

- State the property for $a + 0 = a$.
- Find n. $4.302 \times 100 = n$
- A ___?___ is a parallelogram with four right angles.
- A charge imposed by the government upon persons or property for public purposes is called a ___?___.

- What time is 5 hours 15 minutes after 10:30 a.m.?
- Find n. $3/4 \div 1/6 = n$
- The pattern, when folded, would form what geometric figure?



- The temperature of -10°C rises six degrees. What is the new temperature?

- State the factors of 15.
- Find n. $18.91 \div 6.2 = n$
- A ___?___ has both pairs of opposite sides parallel and congruent.
- A loan with a definite maturity date is called a ___?___ loan.

- TRUE OR FALSE: When the quotient is divided by itself, the quotient is that number.
- Find n. $1.72 \times 10^4 = n$
- The angles of a triangle are 45° and 27°. What is the size of the third angle?
- The amount paid on the original cost of a loan or on the amount of an account is called ___?___.

- State the property for $a \times (b \times c) = (a \times b) \times c$.
- Find n. $16n = 128$
- A ___?___ is a rectangle with all sides congruent.
- Payment to a worker at one and one-half times his/her regular wage rate is called ___?___.

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Math Trivial Pursuit

- Subtraction
- y = 15
- Rhombus
- Trimester

Math Trivial Pursuit

- Alternate interior angles
- n = 34
- Pentagon
- Stockbroker

Math Trivial Pursuit

- Identity property of addition
- n = 430.2
- Rectangle
- Tax

Math Trivial Pursuit

- True
- n = 2
- 90
- Gross income

Math Trivial Pursuit

- 1, 3, 5, 15
- n = 3.05
- Parallelogram
- Time

Math Trivial Pursuit

- 3:45 p.m.
- n = 4 1/2
- Cylinder
- -4°C

Math Trivial Pursuit

- Associative property of multiplication
- n = 8
- Square
- Time and a half

Math Trivial Pursuit

- False—it equals one
- n = 17,200
- 108°
- Simple interest

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- What is the GCF for 18 and 45?
- Find n. $8 \times \left(\frac{24 - 6}{9}\right) = n$
- TRUE OR FALSE: An acute angle measures more than 90°.
- A person released or free from tax is said to be ? .

- Show the equation for thirty-two less than a number x is ten.
- Find n. Five times a number n when decreased by 2 equals 17 increased by 6.
- Five faces of a cube with edges 2 cm long are painted. How much surface area is painted?
- The initials *RPM* were on an exercise bike. For what do these initials stand?

- Find the pattern and state the next two numbers for 5, 10, 20, 40, ? , ? .
- Find n. $170.493 \div 10^3 = n$
- TRUE OR FALSE: A straight angle measures 180°.
- Removal of money from a place of deposit or investment is called ? .

- What multiplication property is used for $10 \times 3 = 3 \times 10$?
- Find n. $8.41 \times 10^5 = n$
- Either of two angles lying on opposite sides of two intersecting lines is called ? .
- A geographical region within which the same standard time is used is known as a ? .

- What must be done to both sides of the equation $4x = 40$ to find x?
- Find n. $(18 + 9) \times 3 \div 9 - \frac{4^2}{2} = n$
- Find the area of a cylinder with a radius of 4 cm and a height of 15 cm.
- To put into a bank for safekeeping is called ? .

- A closed plane curve that does not intersect itself, such as a circle, is called a ? .
- Find n. $12 \times 3/4 \times 6 = n$
- Find the total surface area of a cylinder whose radius is 2 m and whose height is 5.5 m.
- A clock that records an employee's starting and quitting time is called a ? .

- Show an equation for a number n increased by 7.4 is 12.
- Find n. $\$38.43 + 12.21 + 5.04 = n$
- A polyhedron that has four faces is called a ? .
- Deliberate failure to pay taxes by falsely reporting taxable income or property is called ? .

- A word consisting of three mathematical terms in algebra is called ? .
- Find n. $20 - (12 - 8 \div 2) \times 2 = n$
- A ? is a space figure with a circular base and one vertex.
- The word used to mean occurring every three months is ? .

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Math Trivial Pursuit

- x - 32 = 10
- n = 5
- 20 sq. cm
- Revolutions per minute

Math Trivial Pursuit

- 9
- n = 16
- False—less than
- Tax exempt

Math Trivial Pursuit

- Commutative property of multiplication
- n = 841,000
- Vertical angles
- Time zone

Math Trivial Pursuit

- 80, 160
- n = .170493
- True
- Withdrawal

Math Trivial Pursuit

- Simple closed curve
- n = 54
- 94 sq. m
- Time clock

Math Trivial Pursuit

- Divide by 4
- n = 1
- 477.28 sq. cm
- Deposit

Math Trivial Pursuit

- Trinomial
- n = 24
- Cone
- Trimonthly

Math Trivial Pursuit

- n + 7.4 = 12
- n = $55.68
- Tetrahedron
- Tax evasion

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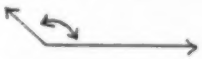
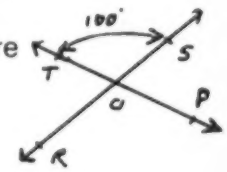
- State the property for $a \times 1 = a$.
- Find n. $7/3 \times 3/9 = n$
- TRUE OR FALSE: The volume of a cylinder is 1/3 the volume of a cone.
- A bank's lowest interest rate available at a particular time to creditworthy customers is called ?.

- To multiply a number by itself is to ? the number.
- Find n. $(25 \div 5) + (20 \times 2) = n$
- Identify this angle. 
- A national program providing for the financial security and social welfare of an individual and his/her family is called ?.

- Show the equation for a number t divided by twelve is equal to twenty.
- Find n. $15n = 75$
- TRUE OR FALSE: Two angles are complementary if the measure of their sum is 180°.
- A written order directing a bank to pay money as instructed for a certain amount is a ?.

- State the property for $12 + 8 = 8 + 12$.
- Find n. $117 = n - 21$
- What is the measure of $\angle POS$? 

- An owner of stocks is called a ?.

- TRUE OR FALSE: Addition and division are inverse operations.
- Find n. $18 + n = 35$
- TRUE OR FALSE: If $\angle A = 65°$ and $\angle B = 25°$, they are complementary angles.
- Goods that are purchased to satisfy human wants are called ?.

- State the prime factorization of 20 using exponent form.
- Find n. $8(5 + 1) = n$
- TRUE OR FALSE: If $\angle D = 90°$, it is a straight line.
- An amount earned that remains after the deduction of all charges, such as taxes, is called ?.

- In the metric measure $4\ cm^3 = 4$? and ? g.
- Find n. $2^2 - 1 = n$
- TRUE OR FALSE: If $C = 155°$, it is an obtuse angle.
- An amount of money regularly provided for personal or household expenses is called an ?.

- TRUE OR FALSE: To find equivalent fractions, multiply or divide the numerator and denominator by the same number, except zero.
- Find n. $n - 13 = 85$
- TRUE OR FALSE: If $\angle A = 129°$ and $\angle B = 51°$, they are supplementary angles.
- The total value of goods and services produced by a nation in a year is referred to as ?.

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Math Trivial Pursuit

- Square
- n = 45
- Obtuse
- Social Security

Math Trivial Pursuit

- Identity property of multiplication
- n = 7/9
- False—cone is 1/3 the volume of a cylinder
- Prime rate

Math Trivial Pursuit

- Commutative property of addition
- n = 138
- 80°
- Stockholder

Math Trivial Pursuit

- $t \div 12 = 20$
- n = 5
- False—sum is 90°
- Check

Math Trivial Pursuit

- $2^2 \times 5$
- n = 48
- False
- Net income

Math Trivial Pursuit

- False
- n = 17
- True
- Consumer goods

Math Trivial Pursuit

- True
- n = 98
- True
- Gross National Product

Math Trivial Pursuit

- ml; 4
- n = 3
- True
- Allowance

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- State the property for $4(6 + 3) = 4(6) + 4(3)$.
- Find n. $(9 \times 3) + 1 = n$
- Two lines can intersect at one point to form four right angles. Such intersecting lines are said to be ___?___.
- Credit granted by a bank to an individual is known as ___?___.

- State 6 3/4 as an improper fraction.
- Find n. $15 \times (8 + 35) \div 5 = n$
- TRUE OR FALSE: A transversal is a line that intersects two or more lines at the same point.
- If Ed has two dimes and three nickels, does he have enough money to buy a 30¢ candy bar?

- State 10/25 in its simplest form.
- Find n. $4^2 \div 8 = n$
- Two intersecting lines form two pairs of congruent angles called ___?___ angles.
- To commit money in order to earn a financial return is to ___?___ money.

- An ___?___ is an instrument for performing calculations by sliding counters along rods or in grooves.
- Find n. $\$31.46 - 7.71 = n$
- TRUE OR FALSE: Two parallel lines intersected by a transversal form pairs of congruent angles.
- A book in which accounts are kept is called a ___?___.

- TRUE OR FALSE: Division is associative.
- Find n. $\$27.39 \times 203 = n$
- TRUE OR FALSE: Adjacent angles have a common vertex and a common ray between them.
- A book containing blank checks to be drawn on a bank is called a ___?___.

- State 59/7 as a mixed numeral.
- Find n. $(5 \times 14) \div 5 = n$
- TRUE OR FALSE: Skew lines are lines that are not in the same plane but will eventually intersect.
- ___?___ refers to the balance due to a creditor on a current account.

- TRUE OR FALSE: Zero divided by any number greater than zero is zero.
- Find n. $25 \div (5 + 20) \times 2 = n$
- Two lines in the same plane that never intersect are ___?___ lines.
- A supply of funds, especially money or capital is called ___?___.

- State 7/6 and 1/4 as like fractions.
- Find n. $7.16 + 8.062 = n$
- The ratio of the length of the side opposite an acute angle to the length of the hypotenuse in a right triangle is called the ___?___.
- The process of reserving merchandise until a customer has paid in full is called ___?___.

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Math Trivial Pursuit

- 27/4
- n = 129
- False—at different points
- Yes

Math Trivial Pursuit

- Distributive property of multiplication over addition
- n = 28
- Perpendicular
- Consumer credit

Math Trivial Pursuit

- Abacus
- n = $23.75
- True
- Ledger or account book

Math Trivial Pursuit

- 2/5
- n = 2
- Vertical
- Invest

Math Trivial Pursuit

- 8 3/7
- n = 14
- False—will never intersect
- Account payable

Math Trivial Pursuit

- False
- n = $5560.17
- True
- Checkbook

Math Trivial Pursuit

- 14/12, 3/12
- n = 15.222
- Sine
- Layaway

Math Trivial Pursuit

- True
- n = 2
- Parallel
- Stock

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- Choose the correct sign in the equation. <, > or = for 2/11 ? 2/5
- Find n. $32 - (3 \times 2^3) - \left(\frac{16 - 4}{3}\right) = n$
- Geometric figures that have the same shape but not necessarily the same size are said to be ?.
- If you completed one ski run in 3 minutes 21 seconds and another run in 2 minutes 47 seconds, how long did both runs take?

- State 1/8 as a decimal.
- Find n. $7.5 \div 10^4 = n$
- A triangular sail that has an area of 120 sq. m has a base of 10 m. What is the height of the sail?
- Four posters total $7.40. Each poster costs the same. How much does each poster cost?

- State the property for $6 \times 0 = 0$.
- Find n. $21.641 - n = 12.937$
- A scalene triangle has ? congruent sides.
- A bank account against which a depositor can draw checks is called a ?.

- What must be done to both sides of the equation to find $x : 9 = x/7$?
- Find n. $(3 + 42) \div 9 = n$
- A circular mat has a diameter of 36 cm. What area does the mat cover?
- Lizzy's alarm clock woke her at 7:20 a.m. If she went to sleep at 10:38 p.m. the night before, how long did she sleep?

- State 3/4 as a decimal.
- Find n. $34.11 \times .36 = n$
- The area of a parallelogram is 169 sq. cm and the length of the base is 13 cm. What is the height?
- A term used to state that an increasing consumption of goods is economically desirable is ?.

- A product that has exactly two factors is called a ?.
- Find n. $(27 + 4) - (8 \times 3) = n$
- Find the area of a trapezoid having two bases of 1.5 cm and 2.3 cm, and a height of 12 cm.
- What term is used for a system of paying for goods on installments?

- A ? is an equation that states that two ratios are equal.
- Find n. $0.003 \times 0.7 = n$
- TRUE OR FALSE: A = bh is the formula for finding the area of a parallelogram.
- Al weighs 44 kg. Jerry weighs 43,995 g. How much more does Al weigh than Jerry?

- State the GCF for 48 and 60.
- Find n. $2.601 \times 10^3 = n$
- State the geometric figure and what you are finding if you are solving for C in $C = \pi d$.
- A day on which a merchant offers goods for one dollar is called ?.

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Math Trivial Pursuit

- .125
- n = .00075
- 24 m
- $1.85

Math Trivial Pursuit

- <
- n = 4
- Similar
- 6 minutes 8 seconds

Math Trivial Pursuit

- Multiply by 7
- n = 5
- 1017.36 sq. cm
- 8 hours 42 minutes

Math Trivial Pursuit

- Zero property of multiplication
- n = 8.704
- No
- Checking account

Math Trivial Pursuit

- Prime number
- n = 7
- 22.8 sq. cm
- Installment plan

Math Trivial Pursuit

- .75
- n = 12.2796
- 13 cm
- Consumerism

Math Trivial Pursuit

- 12
- n = 2601
- Circumference of a circle
- Dollar Day

Math Trivial Pursuit

- Proportion
- n = 0.0021
- True
- 5 g

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- Find the pattern and state the next two numbers. 2, 2.6, 3.2, 3.8, ___ , ___
- Find n. $1.344 \div .21 = n$
- State the formula for the perimeter of an equilateral triangle.
- What term is used for a piece of lumber approximately 2 inches by 4 inches?

- TRUE OR FALSE: The sum of two odd numbers is odd.
- Find n. $2^4 + 5^2 = n$
- A parallelogram with all sides congruent is called a ___ .
- The atomic mass of hydrogen is .00000000000000000000001675. State this number in scientific notation.

- State 49/63 in simplest form.
- Find n. $6.3 \div n = .9$
- A polygon with all sides congruent and all angles congruent is called a ___ .
- A part of the full price paid at the time of purchase or delivery with the balance to be paid later is called ___ .

- TRUE OR FALSE: Every even number is a multiple of 2.
- Find n. $(25 \times 10) \times 1/25 = n$
- A ___ is a polygon having nine sides.
- A company whose primary business is holding securities of other companies purely for investment purposes is called an ___ .

- State the next two numbers in the pattern. 1, 4, 16, 64, ___ , ___
- Find n. $\sqrt{121} = n$
- The mirror image of a figure is called a ___ .
- A ___ is a plan for using money so that there will be enough between paychecks.

- TRUE OR FALSE: Subtraction is not associative.
- Find n. $29 - (2 \times 3^2) + (28 \div 7) = n$
- A line that intersects two or more lines is called a ___ .
- Concerted selling of securities late in the year to establish gains and losses for income tax purposes is called ___ .

- TRUE OR FALSE: Division is commutative.
- Find n. $(48 \div 2^3) - \left(\frac{21 - 11}{2}\right) = n$
- A part of a line that has one endpoint and extends endlessly in one direction is called a ___ .
- The plan for a park calls for .35 of the trees to be pines. What fraction of the trees will be pine? State the fraction in simplest form.

- State the LCM for 4 and 9.
- Find n. $56 + (75 - 75) + 4 = n$
- TRUE OR FALSE: If two triangles are congruent and one has a right angle, then the other will have a right angle.
- John's bill for sporting goods was $15.64. If he paid with a $20 bill, how much change would he receive?

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Math Trivial Pursuit

- False—even
- n = 41
- Rhombus
- 1.675×10^{-24}

Math Trivial Pursuit

- 4.4; 5.0
- n = 6.4
- P = 3s
- Two by four

Math Trivial Pursuit

- True
- n = 10
- Nonagon
- Investment company

Math Trivial Pursuit

- 7/9
- n =7
- Regular polygon
- Down payment

Math Trivial Pursuit

- True
- n = 15
- Transversal
- Tax selling

Math Trivial Pursuit

- 256; 1024
- n = 11
- Reflection
- Budget

Math Trivial Pursuit

- 36
- n = 60
- True
- $4.36

Math Trivial Pursuit

- False
- n = 1
- Ray
- 7/20

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- TRUE OR FALSE: The sum of two even numbers is an even number.
- Find n. $8\ 3/4 - 4\ 1/5 - (5\ 3/10 - 2) = n$
- Is this polygon a regular polygon?
- If June earns $4 per hour, how much will she earn by working 3 1/2 hours?

- State the property for $68 \times 71 = 71 \times 68$.
- Find n. $\sqrt{25} = n$
- TRUE OR FALSE: Two polygons are congruent if their corresponding sides and angles are congruent.
- Soap is selling at 4 bars for $1.20. What is the cost of one bar?

- State 18/7 as a mixed number.
- Find n. $\frac{42 + 6^2}{2^4 - (2 \times 5)} = n$
- What type of polygon has six sides?
- A recipe that serves 6 people calls for 2 pounds of meat. How many pounds of meat are needed to serve 18 people?

- State 13/78 in simplest form.
- Find n. $\sqrt{100} = n$
- The sum of the measures of the angles of every triangle is ___?___.
- A football team won 8 of its 10 games. What percent of its games did the team win?

- State the factors of 60.
- Find n. $(1/4)^2 = n$
- Two lines that meet at a point are called ___?___.
- A person who pays or is liable for a tax is called a ___?___.

- State the factors of 8 and 9.
- Find n. $(4 \times 23) + (6 \times 15) = n$
- TRUE OR FALSE: All isosceles triangles are equilateral.
- If Jake worked from 8:30 a.m. until 1:00 p.m., how many hours would he have worked?

- TRUE OR FALSE: When a number is subtracted from zero, the difference is that number.
- Find n. $\frac{\sqrt{4} = n}{\sqrt{81}}$
- TRUE OR FALSE: If $\angle GHI \cong \angle PQR$ and GHI is acute, then $\angle PQR$ is acute.
- How much would you pay for a blouse at 20% off its regular price of $25?

- In this list of numbers, which are divisible by 2: 203; 407; 262; 348; 3441; 10,002?
- Find n. $604 \times 83 = n$
- TRUE OR FALSE: An obtuse angle measures less than 90 degrees.
- If 1 cm represents 50 km on a map, what is the distance between two towns that are 6 cm apart?

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Math Trivial Pursuit

- Commutative property of multiplication
- n = .5
- True
- 30¢

Math Trivial Pursuit

- True
- n = 1 1/4
- No
- $14.00

Math Trivial Pursuit

- 1/6
- n = 10
- 180°
- 80%

Math Trivial Pursuit

- 2 4/7
- n = 13
- Hexagon
- 6 pounds

Math Trivial Pursuit

- 1
- n = 182
- False
- 4 1/2 hours

Math Trivial Pursuit

- 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60
- n = 1/16
- Intersecting lines
- Taxpayer

Math Trivial Pursuit

- 262; 348; 10,002
- n = 50,132
- False—greater than 90°
- 300 km

Math Trivial Pursuit

- False
- n = 2/9
- True
- $20.00

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- State the first five multiples of 8.
- Find n. $21 + \left(\frac{36}{12 - 8}\right) - (3 \times 4) = n$
- TRUE OR FALSE: All pentagons have five vertices.
- Jim paid $4.80 for lunch. The 15% tip would be closest to 60¢, 70¢, 80¢ or 90¢?

- TRUE OR FALSE: If the product of two numbers is zero, then one of the numbers must be zero.
- Find n. $3 + 2(8 + 3^2) = n$
- A ? is a polygon having 10 sides.
- Ellie sold a quilt for $120. If she had spent $40 for materials, what fraction of the sale was profit?

- The inverse of "divide by five" is ? .
- Find n. 34% of 40 = n
- TRUE OR FALSE: In a regular polygon, all sides have the same length and all angles have the same measure.
- Your family spends 35% of its monthly income on food. If you spend $500 on food, what is your total income?

- State the prime factorization of 10.
- Find n. 7/8 = n/16
- TRUE OR FALSE: Some obtuse triangles contain right angles.
- A gold watch costs $300. The markup is 50%. What did the watch cost the retailer?

- State the next two numbers in the pattern. 3, 9, 15, 21, ? , ?
- Find n. 7/9 - 1/3 = n
- TRUE OR FALSE: Some isosceles triangles are obtuse.
- Louis earned $30 on Monday. This is 20% of his weekly earnings. What does he earn per week?

- TRUE OR FALSE: The product of two odd numbers is always odd.
- Find n. (5 7/8 - 2) + (4 1/3 - 1 1/6) = n
- An angle whose measure is 90° is called a ? .
- A salesman receives a 30% commission. What is the commission on $1500 of sales?

- TRUE OR FALSE: A fraction with 1 as the numerator is a unit fraction.
- Find n. 4 1/2 + 6 7/10 + 2 2/5 = n
- TRUE OR FALSE: Every geometric figure has at least one line of symmetry.
- A reporter wrote a story that will cover 1/4 page. He must cut the story to fit 1/6 page. How much must be cut?

- TRUE OR FALSE: Subtraction is commutative.
- Find n. 500 × 20 = n
- A space figure having two equal and parallel rectangles as bases is called a ? .
- If a real estate agent receives a 7% commission, how much does she receive on a $20,000 sale?

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Math Trivial Pursuit

- True
- n = 37
- Decagon
- 2/3

Math Trivial Pursuit

- 8, 16, 24, 32, 40
- n = 18
- True
- 70¢

Math Trivial Pursuit

- 2 × 5
- n = 14
- False—there are not enough degrees left to equal a right angle
- $200.00

Math Trivial Pursuit

- Multiply by five
- n = 13.6
- True
- $1428.57

Math Trivial Pursuit

- True
- n = 7 1/24
- Right angle
- $450.00

Math Trivial Pursuit

- 27, 33
- n = 4/9
- True
- $150.00

Math Trivial Pursuit

- False
- n = 10,000
- Rectangular prism
- $1400.00

Math Trivial Pursuit

- True
- n = 13 3/5
- False—some have no lines of symmetry
- 1/12 page

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- State 20/16 in simplest form.
- Find n. 47 - (81 ÷ 9) + 36(3 + 2) = n
- TRUE OR FALSE: A polygon is a closed plane figure with sides that are curved.
- Genna made 10 baskets in one basketball game and 12 baskets in the next game. What was the percent of increase?

- Show an expression for the sum of five times a number x and two.
- Find n. 4 - 0.45 = n
- A space figure with two parallel bases that are congruent circles and a curved lateral surface is called a ?
- The sum of the cost price and the markup price is the ? of an item.

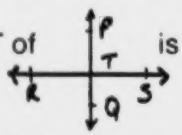
- State 5 2/3 as an improper fraction.
- Find n. +9 + (+8 - +6) = n
- TRUE OR FALSE: All quadrilaterals are regular quadrilaterals.
- In 1970, eggs cost 60¢ per dozen. In 1980, they cost 80¢ per dozen. What is the percent of increase?

- What must you do to both sides of the equation 36 = n + 9 to find n?
- Find n. $3^2 + (15 \times 2) = n$
- What is the complement of an angle that measures 80°?
- Seventeen ounces of paprika cost $1.87. Find the cost of 45 ounces.

- What is the decimal for 2 + (3 × 1/10)?
- Find n. 52,986 + 20,050 + 9644 + 828 = n
- Find the TSA for this figure.

- The value of 6000 barrels of oil is $170,000. To the nearest dollar, what is the value of one barrel of oil?

- Show the equation for twenty more than n is fifty.
- Find n. 100 × .4 = n
- Point T of

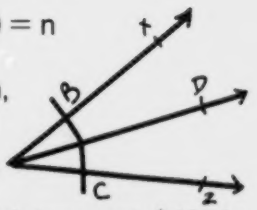


is called the ?.

- Mr. and Mrs. Burke earn $35,300 a year. If they give one-tenth to charity, how much do they give?

- Find the pattern and state the next two numbers for 7, 11, 15, 19, ?, ?.
- Find n. 1802 - 945 = n
- Cm^3, dm^3 and m^3 are all measures of ?.
- The amount of money a retailer adds to the cost price in order to pay expenses and make a profit is called the ?.

- Complete: ? g = 5 kg.
- Find n. 514 × 10 = n
- In the illustration, $\overrightarrow{YD}$ is called the ?.



- In 1972, a calculator cost $40. In 1981, the calculator cost $10. What was the percent of decrease?

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Math Trivial Pursuit

- ● 5x + 2
- ■ n = 3.55
- ▲ Cylinder
- ⬢ Selling price

Math Trivial Pursuit

- ● 5/4
- ■ n = 218
- ▲ False—sides are line segments
- ⬢ 20%

Math Trivial Pursuit

- ● Subtract 9
- ■ n = 39
- ▲ 80°
- ⬢ $4.95

Math Trivial Pursuit

- ● 17/3
- ■ n = +11
- ▲ False
- ⬢ 33 1/3%

Math Trivial Pursuit

- ● n + 20 = 50
- ■ n = 40
- ▲ Midpoint
- ⬢ $3530

Math Trivial Pursuit

- ● 2.3
- ■ n = 83,508
- ▲ 136 sq. cm
- ⬢ $28.00

Math Trivial Pursuit

- ● 5000
- ■ n = 5140
- ▲ Angle bisector
- ⬢ 75%

Math Trivial Pursuit

- ● 23, 27
- ■ n = 857
- ▲ Volume
- ⬢ Markup

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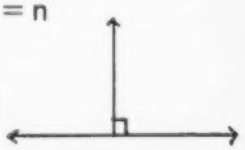
- What is 26 billion in standard form?
- Find n. $(35 \div 5) - 3 = n$
- In the illustration, the lines are called ? lines.



- Rose's monthly payment on a portable TV is $8.25. How much will she pay in 20 months?

- State the first five multiples of 5.
- Find n. $n/18 = 25$
- The number of square units needed to cover a region is called ?.
- After buying a sweater for $32, Mary had $96. How much money did she have before she bought the sweater?

- Complete: 600 mm = 6 ?.
- Divide 17/3 and round to the nearest hundredth.
- A ? is a polygon having 7 sides.
- One hundred twenty-five dollars off the regular price is $2250. What is the regular price?

- State the LCM for 8 and 4.
- Find n. $32 \times 17 - 135 = n$
- TRUE OR FALSE: Some isosceles triangles are equilateral.
- Dan worked 10 3/4 hours less than Jenny. If Dan worked 28 1/2 hours, how many hours did Jenny work?

- TRUE OR FALSE: Multiplication and division are inverse operations.
- Find n. $74 = n + 15$
- TRUE OR FALSE: Some quadrilaterals have right angles.
- A two-door car costs $195 less than a four-door. The two-door costs $4000. What is the price of the four-door?

- Show the equation for the product of five and a number y is ten.
- Find n. $-4 (+2) = n$
- A closed plane figure with all points the same distance from a point called the center is a ?.
- Larry worked 3 times as many hours as Emily. Together they worked 64 hours. How many hours did Emily work?

- Name the inverse of decrease by 21.
- Find n. $4^2 + (9 \times 6) - 4 = n$
- TRUE OR FALSE: All equilateral triangles are acute.
- Alan worked 32 hours and earned $96. How much did he earn per hour?

- State the prime factorization of 100 using the exponent form.
- Find n. $3/4 - 2/3 = n$
- To divide into two congruent parts is to ?.
- A toaster that is on sale for $37.99 has been discounted $9.99. What was the regular price?

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GA1074

Math Trivial Pursuit

- 5, 10, 15, 20, 25
- n = 450
- Area
- $128.00

Math Trivial Pursuit

- 26,000,000,000
- n = 4
- Perpendicular
- $165.00

Math Trivial Pursuit

- 8
- n = 409
- False—two sides are equal; the third is not
- 39 1/4 hours

Math Trivial Pursuit

- dm
- 5.67
- Heptagon
- $2375

Math Trivial Pursuit

- 5y = 10
- n = -8
- Circle
- 16 hours

Math Trivial Pursuit

- True
- n = 59
- True
- $4195

Math Trivial Pursuit

- $2^2 \times 5^2$
- n = 1/12
- Bisect
- $47.98

Math Trivial Pursuit

- Increase by 21
- n = 66
- True
- $3.00 an hour

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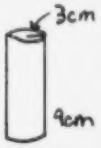
- The inverse operation of multiplication is ?.
- Find n. 42 = 6n
- Find the TSA of the cylinder.



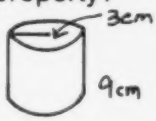
- Train fare from Chicago to New Orleans cost $45 in 1970. By 1980, the fare had increased to $75. What was the percent of increase?

- What is the standard form for $(2 \times 10^5) + (3 \times 10^4) + (7 \times 10^2) + (5 \times 10)$?
- Find n. 75 - (3 × 25) = n
- The ? of a cylinder is the area of the base (b) multiplied by the height (h) of the cylinder.
- A store sells a $25 sweater at a 10% discount. What is the sale price?

- Writing a number as the product of primes is known as ?.
- Find n. 4(3 + 9) = n
- The formula for the total surface area of a cylinder is ?.
- Paulette bought a 15-lb. watermelon and a $3.50 bag of oranges, spending a total of $7.85. How much did the watermelons cost per pound?

- If a number is divisible by 10, can it also be divisible by 3?
- Find n. 3.86 ÷ .01 = n
- TRUE OR FALSE: Some equilateral triangles have right angles.
- Your hot air balloon is 1 1/4 miles above another balloon. If you are at a height of 2 1/2 miles, what is the height of the other balloon?

- The statement $6 \times (3 + 5) = (6 \times 3) + (6 \times 5)$ shows what property?
- Find n. 30 = n/12
- Find the volume of the cylinder.



- A two-bedroom apartment that rents for $417 a month is 3 times the cost of a one-bedroom apartment. What is the monthly cost of the one-bedroom apartment?

- The product of a positive integer and a positive integer is a ?.
- Find n. 7 - 3 1/5 = n
- A cylinder is a space figure with two parallel bases that are ?.
- A stove costs $888. It can be bought on credit by paying $41.50 a month for 24 months. What is the cost of credit?

- What are the next two numbers in this pattern: 2, 5, 9, 14, 20, ?, ?
- Find n. n + 105 = 215
- A ? is a polyhedron with one base. All the lateral faces are triangles. The shape of the base is used to name it.
- 10 cm of snow fell one day. 5 cm fell the next day, bringing the snow base up to 90 cm. What was the base before the snowfall?

- TRUE OR FALSE: 21 is a prime number.
- Find n. 17 = n/17
- The standard unit of measure for an angle is the ?.
- The average number of records owned by each of 15 families is 75. How many records do the 15 families own altogether?

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Math Trivial Pursuit

- 230,750
- n = 0
- Volume
- $22.50

Math Trivial Pursuit

- Division
- n = 7
- 226 sq. cm
- 66 2/3%

Math Trivial Pursuit

- No
- n = 386
- False—if equal, each angle has only 60°
- 1 1/4 miles

Math Trivial Pursuit

- Prime factorization
- n = 48
- $2 \pi r^2 + \pi d h$
- 29¢ a pound

Math Trivial Pursuit

- Positive
- n = 3 4/5
- Congruent circles
- $108.00

Math Trivial Pursuit

- Distributive property of multiplication over addition
- n = 360
- 254 cu. cm
- $139.00

Math Trivial Pursuit

- False
- n = 289
- Degree
- 1125 records

Math Trivial Pursuit

- 27, 35
- n = 110
- Pyramid
- 75 cm

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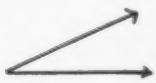
- State the standard numeral for the prime factorization of 3×5^2.
- Find n. $20n = 300$
- TRUE OR FALSE: Some isosceles triangles are obtuse.
- Sally bought a tape player and earphones for $96. The earphones cost $32. What did she pay for the tape player?

- Complete the pattern. 9 4/5, 9 1/5, 8 3/5, ___?___ , ___?___
- Find n. $n/5 = 12$
- The formula for the area of a circle is ___?___ .
- You want to cover 10 chairs. Each chair requires 2 4/5 yards of fabric. How many yards will you need for the 10 chairs?

- State all the factors of 24.
- Find n. $n - 52 = 87$
- The top of a round table has a radius of .5 m. What is the area of the table top?
- After an increase of $12, the rent was $156. What was the rent before the increase?

- State the number 51,000 in scientific notation.
- Find n. $8n = 104$
- Find the volume of a water tower with a radius of 15 feet and a height of 50 feet.
- A coat was on sale for 1/3 off the regular price of $79.98. What was the discount cost?

- TRUE OR FALSE: 47 is a prime number.
- Find n. $40 = n - 40$
- Identify the angle shown. 
- The cost of one ticket to the ball game is $3.85. What is the cost of 23 tickets?

- State the percent for 7 out of 100.
- Find n. $6\ 3/4 + 1\ 2/8 = n$
- Find the area of a clock face whose radius is 9 inches.
- The amount a costumer saves by buying items on sale is the ___?___ .

- Give the next two numbers in the pattern. 2, 7, 12, 17, 22, ___?___ , ___?___
- Find n. $4n = 36$
- TRUE OR FALSE: Some quadrilaterals are trapezoids.
- Your "take home" pay is $920 a month. How much will you have left after paying the rent of $360?

- ___?___ fractions are those whose denominators are not the same, such as 2/3 and 3/4.
- Find n. $22/7 \times 35/11 \times 21/5 = n$
- TRUE OR FALSE: Some scalene triangles are acute.
- The room temperature is 30°C. Would you turn on the air conditioner or the heater?

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Math Trivial Pursuit

- 8, 7 2/5
- n = 60
- a = πr^2
- 28 yards

Math Trivial Pursuit

- 75
- n = 15
- True
- $64

Math Trivial Pursuit

- 5.1×10^4
- n = 13
- 35,325 cu. ft.
- $26.66

Math Trivial Pursuit

- 1, 2, 3, 4, 6, 8, 12, 24
- n = 139
- .785 sq. m
- $144

Math Trivial Pursuit

- 7%
- n = 8
- 254.34 sq. in.
- Discount

Math Trivial Pursuit

- True
- n = 80
- Acute angle
- $88.55

Math Trivial Pursuit

- Unlike
- n = 42
- True
- Turn on air conditioner

Math Trivial Pursuit

- 27, 32
- n = 9
- True
- $560

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- If you divide a negative integer by a positive integer, the quotient will be a ?.
- Find n. $2n + 3n - 6 = 8$
- The formula for the volume of a cylinder is ?.
- The difference between the regular price and the discount is the ? price.

- In the decimal $1.\overline{3}$, the line over the three indicates that the decimal ?.
- Find n. $9n = -72$
- TRUE OR FALSE: All octagons have 9 vertices.
- An athlete skated 1800 meters in 3.2 minutes. What was the rate in meters per minute?

- State $-17/8$ in decimal form.
- Find n. $-5/6 \div 20/3 = n$
- is a ? geometric figure.
- Fifteen pounds of coffee cost $45.35. Estimate the cost of one pound.

- Complete the pattern. 3, 4, 7, 11, 18, ?, ?, 76
- Find n. $2/3 \times 3/5 \times 1/4 = n$
- TRUE OR FALSE: All diameters are chords.
- Jerry rode 4 hours in a bike-a-thon. How many miles did he ride if he averaged 8 miles an hour?

- State the algebraic factorization for $35w^2$.
- Find n. $n/3 + 9 = 26$
- TRUE OR FALSE: All chords are diameters.
- Find the cost of 7300 cubic feet of natural gas at 41¢ per 100 cubic feet.

- State 2/3 and 4/5 as fractions with a common denominator.
- Find n. $n \div 1/4 = 20$
- TRUE OR FALSE: All right triangles are scalene.
- The value of a 1900 nickel is $2.90. The total value of three 1930 nickels and the one 1900 nickel is $5.15. What is the value of a 1930 nickel?

- State the LCM for 8 and 12.
- Find n. 3/10 of $90 = n
- TRUE OR FALSE: Every square is a parallelogram.
- A teaspoon contains 5 milliliters. How many teaspoons are there in 125 milliliters?

- Show the mathematical expression for a number t divided by 6 plus 2.
- Find n. $7/8 \div (3/4 \div 5/6) = n$
- is a ? geometric figure.
- The average monthly cost of electricity is $83. This is $27 more than the average monthly cost of heat. What was the average monthly cost of heat?

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Math Trivial Pursuit

- Repeats
- n = -8
- False—they have 8
- 562.5 m

Math Trivial Pursuit

- Negative integer
- n = 2.8 or 2 4/5
- V = $\pi r^2 h$
- Sale

Math Trivial Pursuit

- 29, 47
- n = 1/10
- True
- 32 miles

Math Trivial Pursuit

- -2.125
- n = -1/8
- Hexagonal
- $3.00

Math Trivial Pursuit

- 10/15, 12/15
- n = 5
- False
- 75¢

Math Trivial Pursuit

- 7·5·w·w
- n = 51
- False—all diameters are chords
- $29.93

Math Trivial Pursuit

- t ÷ 6 + 2
- n = 35/36
- Heptagonal
- $56.00

Math Trivial Pursuit

- 24
- n = $27.00
- True
- 25 teaspoons

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GA1074

- Show the mathematical expression for a number y minus 7.
- Find n. $(1\ 1/2 \times 3\ 1/6) \div 1/4 = n$
- A ? is one half of a circle.
- Apples are $1.19 a pound. If you gave the cashier $5 for 2.5 pounds of apples, how much change should you receive?

- State the equation for thirty-two less than a number n is 96.
- Find n. $\$487 \times 19 = n$
- The sum of the measures of the angles of a quadrilateral is ? .
- Craig had $100. If he spent $65 on a jacket and .4 that amount on a shirt, how much money did he have left?

- Is $3/4 = 9/16$ a proportion?
- Find n. $(3 \times 9) - \left(\frac{8+4}{3 \times 2}\right) = n$
- Name the parallelogram that has four right angles and four congruent sides.
- Ann practices the clarinet 3/4 hour every weekday and 1 1/2 hours on Saturday and Sunday. How many hours does she practice each week?

- Complete the pattern. 1, 1, 2, 3, 5, 8, ? , 21
- Find n. $4.302 \times 100 = n$
- A diagonal of a quadrilateral divides the figure into what two geometric shapes?
- One dozen blueberry muffins costs $2.52. What is the unit price?

- The symbol for square root is ? .
- Find n. $12\ 1/4 \times 3\ 3/7 = n$
- TRUE OR FALSE: Every rectangle is a square.
- Charles buys 3 cans of peas at 35¢ per can, 5 cans of soup at 49¢ per can and a bag of flour for $1.29. How much change does he receive from $10?

- Is 5699 divisible by 9?
- Find n. $18.91 \div 6.2 = n$
- TRUE OR FALSE: All scalene triangles are obtuse.
- The price of hiking boots is $49.95. The boots are on sale for 20% off. What is the sale price?

- State 8/12n in lowest terms.
- Find n. $16\ 2/7 - 5\ 4/5 = n$
- If $m\angle A = 55°$, $m\angle B = 78°$, and $m\angle C = 49°$, the fourth angle of the quadrilateral is ? .
- Craig has 20 more dimes in his collection than Sue has in hers. Together they have 150 dimes. How many dimes has Sue?

- State the algebraic factorization for $4x^3$?
- Find n. $n/3 + 9 = 15$
- TRUE OR FALSE: DEFG and LMNO are squares. If $\overline{DE} = 4$cm and $\overline{LM} = 4$ cm, then DEFG = LMNO.
- Draw a conclusion. All of Alphonse's paintings are landscapes. Mrs. Walters bought one of Alphonse's paintings.

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Math Trivial Pursuit

- ● n - 32 = 96
- ■ n = $9253
- ▲ 360°
- ⬢ $9.00

Math Trivial Pursuit

- ● y - 7
- ■ n = 19
- ▲ Semicircle
- ⬢ $2.02

Math Trivial Pursuit

- ● 13
- ■ n = 430.2
- ▲ Triangles
- ⬢ 21¢

Math Trivial Pursuit

- ● No
- ■ n = 19
- ▲ Square
- ⬢ 6 3/4 hours

Math Trivial Pursuit

- ● No
- ■ n = 3.05
- ▲ False
- ⬢ $39.96

Math Trivial Pursuit

- ● $\sqrt{}$
- ■ n = 42
- ▲ False
- ⬢ $5.21

Math Trivial Pursuit

- ● 2·2·x·x·x
- ■ n = 18
- ▲ True
- ⬢ Mrs. Walters bought a landscape.

Math Trivial Pursuit

- ● 2/3n
- ■ n = 10 17/35
- ▲ 178°
- ⬢ 65

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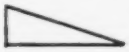
- Simplify this statement: $5y + 8 + y + 7$.
- Find n. $6015 + 406 + 9634 = n$
- Can this triangle have a line of symmetry?



- The Wilsons drove 334.8 km on the weekend. If they traveled .6 of this distance on Saturday, how far did they drive on Sunday?

- State the digits for the number 91 hundred-thousandths.
- Find n. $-72/-4 = n$
- Classify the figure.

- The charge for borrowing money or the amount paid for the use of money is called ? .

- 23 cm = ? mm
- Find n. $5n/4 - 6 = 4$
- TRUE OR FALSE: A rhombus can be a trapezoid.
- Directory assistance received 48,600 calls during one 30-day period. There were 20 operators. About how many calls did each operator receive per day?

- The product of a positive integer and a negative integer is a ? integer.
- Find n. 5 1/4% of \$6500 = n
- What is the area of a square with a side of 3.6 m?
- A home alarm system usually sells for \$750. The store is offering a 10% discount. What is the sale price?

- Complete the pattern. 20, 29, 37, 44, 50, ? , ? , 62
- Find n. $6n + 14 = 32$
- In this figure , how many lines of symmetry can be drawn?
- A family of four has \$600 to spend while on vacation. The son and daughter both spend \$100. What amount may both parents spend together?

- State $10n/15$ in lowest terms.
- Find n. $3/5 \div -5/3 = n$
- What is $\overline{AC}$?

- Eighty of a company's 200 employees work part-time. What percent of the employees is this?

- $2(4 + 6) = 2(4) + 2(6)$ is an example of what property?
- Find n. $-1/4 \times -4 = n$
- A polygon with four sides and four angles whose sum is 360° is called a ? .
- A stereo sells for \$985. What is the total cost if you include 7% sales tax?

- What is the scientific notation for 789,000?
- Find n. $(14 - 6) + 2 = n$
- A space figure whose base is a polygon and whose faces are triangles with a common vertex is called a ? .
- Lucy paid \$12.50 for a year's magazine subscription. This is a 40% savings off the newsstand price. What is the magazine price for one year?

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GA1074

Math Trivial Pursuit

- .00091
- n = 18
- Obtuse triangle
- Interest

Math Trivial Pursuit

- $6y + 15$
- n = 16,055
- No
- 133.92 km

Math Trivial Pursuit

- Negative
- n = $341.25
- 12.96 sq. m
- $675.00

Math Trivial Pursuit

- 230
- n = 8
- False
- 81 calls

Math Trivial Pursuit

- $2n/3$
- $n = -9/25$
- Diameter
- 40%

Math Trivial Pursuit

- 55, 59
- n = 3
- 4
- $400

Math Trivial Pursuit

- 7.89×10^5
- n = 10
- Pyramid
- $31.25

Math Trivial Pursuit

- Distributive property
- n = 1
- Quadrilateral
- $1053.95

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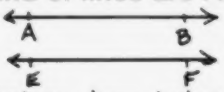
GA1074

- An ? is a number sentence with an equal sign.
- Find n. $802 \times 100 = n$
- The line segment formed where two faces of a space figure meet is called the ? .
- A basic car price is $7290. Power steering costs $215 and automatic transmission costs $303. Find the total cost. Round the answer to the nearest hundred dollars.

- State the algebraic factorization for $10b^3$.
- Find n. $8.6 \times 0.1 = n$
- TRUE OR FALSE: Every parallelogram is a square.
- Paul ran 58% of the total miles of a race. He ran 8.7 miles. How many miles was the race?

- What is the standard form for $170.493 \div 10^3$?
- Find n. $61 \times 1000 = n$
- What kind of lines are $\overline{AB}$ and $\overline{EF}$?



- A bookstore has twice as many novels as biographies and 180 of both. How many books are there of both types?

- Simplify this statement: $9x + 3x$.
- Find n. $133.11 \div 87 = n$
- State the formula for finding the perimeter of a rectangle.
- TRUE OR FALSE: The distance between two towns is about 300 miles. Your car drove between the two towns at an average speed of 50 mph and arrived in 5 hours.

- An equation such as $4n = 8$ is a ? equation.
- Find n. $7 - .904 = n$
- The Pentagon is the world's largest office building. Each side measures 281 m. What is its perimeter?
- A hat cost the shop owner $6. She marked it up 66 2/3%. Later it was sold at 20% off. How much profit did the shop owner make?

- To divide by 10, by 100, by 1000 and so on, move the decimal point to the ? .
- Find n. $17.04 \div 6 = n$
- TRUE OR FALSE: All central angles are acute.
- The temperature in Miami, Florida, is 68°F. In Red Wing, Minnesota, the temperature is -17°F. How much warmer is it in Miami than in Red Wing?

- Is 414 divisible by 3?
- Find n. $0.621 \times 1000 = n$
- Colleen's bedroom is 3 m by 4 m. She wants to buy carpeting that is $17.50 a square meter. How much will it cost to carpet the room?
- A book regularly priced at $7.52 is on sale for 25% off. How much is the sale price of the book?

- Distance = Rate $\times$? .
- Find n. $3/5 \times 2/3 = n$
- A lake has a diameter of 3 km. How long is the road that borders the lake?
- A merchant bought a sweater for $14.50. He sold it for twice this amount. What was the percent of markup?

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Math Trivial Pursuit

- 2·5·b·b·b
- n = 0.86
- False
- 15 miles

Math Trivial Pursuit

- Equation
- n = 80,200
- Edge
- $7808; $7800

Math Trivial Pursuit

- 12x
- n = 1.53
- P = 2L + 2w or P = 2(L + w)
- False—it would take a little over 6 hours

Math Trivial Pursuit

- .170493
- n = 61,000
- Parallel lines
- 60 biographies and 120 novels

Math Trivial Pursuit

- Left
- n = 2.84
- False
- 85°F

Math Trivial Pursuit

- Multiplication
- n = 6.096
- 1405 m
- $2.00

Math Trivial Pursuit

- Time
- n = 2/5
- 9.42 km
- 100%

Math Trivial Pursuit

- Yes
- n = 621
- $210.00
- $5.64

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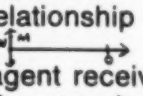
GA1074

- Dividing by a number is the same as ? by the reciprocal of the number.
- Find n. $4\ 2/3 \times 3\ 1/7 = n$
- The distance between bases is 90 feet. How far must a home-run hitter run?
- Kathy walked 18 km in 9 hours. On the average, how far did Kathy walk in 3 hours?

- What is 4,800,000 given in scientific notation?
- Find n. $-56 \div (-14) = n$
- TRUE OR FALSE: Every rhombus is a parallelogram.
- Together Theresa and Vince weigh 267 pounds. Theresa weighs 45 pounds less than Vince. How much does Vince weigh?

- State the algebraic factorization for $20c^2d$.
- Find n. $n/21 = 5/7$
- Barry is framing four paintings. Each painting is a 48-inch by 60-inch rectangle. How many feet of framing will he need?
- Ken's gross pay was $256. His net pay was $218.40. What was the amount deducted from his check?

- A balloonist who weighs 145 pounds plans to take 23 pounds of equipment on a ride. What would you do to compute the total weight of the balloonist and equipment?
- Find n. $1900 \times 3/4 = n$
- What is the relationship between $\overleftrightarrow{MN}$ and $\overline{NO}$? 
- A real estate agent receives a 3% commission. How much commission does the agent receive on a house that sells for $110,000?

- State $mn/5n$ in lowest terms.
- Find n. $-4 + (-7) = n$
- TRUE OF FALSE: Some radii are chords.
- A plane leaves Denver at 9:00 a.m. (Mountain Time). The flight to Chicago is 2 hours. At what time (Central Time) will the plane arrive in Chicago?

- $(5 \times 6)7 = 5(6 \times 7)$ is an example of what property?
- Find n. $n + 6 = 27$
- What kind of an angle has a measure of 95°?
- The population of a city was 3,500,000. The population decreased by 490,000. What percent of the population was lost?

- State $10m/8m^2$ in lowest terms.
- Find n. $80 \times 37 = n$
- Debra is cutting out circles. Each has a radius of 3 cm. How many circles will fit across a sheet of paper that is 25 cm wide?
- There are $10 in a roll of quarters and $5 in a roll of dimes. Matthew has 2 rolls of quarters and 4 rolls of dimes. How much money does he have?

- Complete the pattern. 1.5, 1.8, 2.1, ? , 2.7, 3.0
- Find n. $6/7 = 36/n$
- This pattern, when folded, will form a ?
- A waiter received a tip of $2.25. The customer's bill for the meal was $15. What percent of the bill was the tip?

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Math Trivial Pursuit

- ● 4.8×10^6
- ■ n = 4
- ▲ True
- ⬢ 156 pounds

Math Trivial Pursuit

- ● Multiplying
- ■ n = 14 2/3
- ▲ 360 feet
- ⬢ 6 km

Math Trivial Pursuit

- ● Add
- ■ n = 1425
- ▲ Perpendicular
- ⬢ $3300

Math Trivial Pursuit

- ● 2·2·5·c·c·d
- ■ n = 15
- ▲ 72 feet
- ⬢ $37.60

Math Trivial Pursuit

- ● Associative property of multiplication
- ■ n = 21
- ▲ Obtuse
- ⬢ 14%

Math Trivial Pursuit

- ● m/5
- ■ n = -11
- ▲ False
- ⬢ 12:00 noon

Math Trivial Pursuit

- ● 2.4
- ■ n = 42
- ▲ Triangular pyramid
- ⬢ 15%

Math Trivial Pursuit

- ● 5/4 m
- ■ n = 2960
- ▲ 4 circles
- ⬢ $40.00

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- What is the value of 3 in .0035?
- Find n. $8/9 \div 3/2 = n$
- What is the measure of $\angle C$ in $\triangle ABC$, if $m\angle A = 65°$ and $m\angle B = 73°$?
- Mary bought 10 yards of fabric to make curtains. She used 8 2/3 yards. How much fabric did she have left?

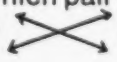
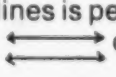
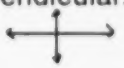
- State 5 4/7 as an improper fraction.
- Find n. $60 \times 4/5 = n$
- A cylindrical tank has a height of 4 m and a base with a radius of 2 m. How much liquid can the container hold?
- A 2 3/4-inch nail is driven through a piece of wood that is 2 7/8 inches thick. Will the nail come out the other side of the board?

- What is 635 in scientific notation?
- Find n. $16 \times 5/8 = n$
- Ed's vegetable garden is shaped as a rhombus. How many meters of fencing will he need if each side is 3 m long?
- Sue bought a book that was on sale at 25% off the regular price of $5.32. What was the amount of the discount?

- State 24/30 in simplest form.
- Find n. $n/8 - 1/4 = 1/2$
- The area of a rectangular room is 56 m. What is the length of the room if the width of the room is 8 m?
- A woman paid $8000 for a piece of property. She was offered 12% more than she paid for it. How much was she offered?

- To divide by 0.1, by 0.01, by 0.001 and so on, move the decimal point to the ___?___.
- Find n. $3\ 1/2 \div 7 = n$
- What is the name for a polygon with eight sides?
- Mike is making a bookshelf. He bought 6-foot boards. Each shelf is 5 3/8 feet long. How much must be cut from each board?

- State 88/11 as a whole or mixed number.
- Find n. $n/5 = 48$
- The ___?___ of a figure is the number of cubic units needed to fill the figure.
- Jane told 3 friends a secret. Each of these 3 told 4 others, each of whom told 5 others. How many people knew the secret?

- An equation that shows equal ratios is called a ___?___.
- Find n. $5\ 1/4 \div 4\ 3/8 = n$
- Which pair of lines is perpendicular:
  a)  b)  c) 
- How many years are in a score?

- Money deposited in a savings account earns ___?___. The amount deposited is called the ___?___.
- Find n. $900 \times 7\% = n$
- TRUE OR FALSE: When constructing an angle equal to a given angle, you use a protractor to measure the given angle.
- A decade equals ___?___ years.

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Math Trivial Pursuit

- ● 39/7
- ■ n = 48
- ▲ 50.24 cu. m
- ⬢ No

Math Trivial Pursuit

- ● 3 thousandths
- ■ n = 16/27
- ▲ 42°
- ⬢ 1 1/3 yards

Math Trivial Pursuit

- ● 4/5
- ■ n = 6
- ▲ 7 m
- ⬢ $8960

Math Trivial Pursuit

- ● 6.35×10^2
- ■ n = 10
- ▲ 12 m
- ⬢ $1.33

Math Trivial Pursuit

- ● 8
- ■ n = 240
- ▲ Volume
- ⬢ 76 people

Math Trivial Pursuit

- ● Right
- ■ n = 1/2
- ▲ Octagon
- ⬢ 5/8 foot

Math Trivial Pursuit

- ● Interest; principal
- ■ n = 63
- ▲ False—use a compass
- ⬢ Ten

Math Trivial Pursuit

- ● Proportion
- ■ n = 1 1/5
- ▲ c)
- ⬢ 20 years

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GA1074

- Tell if the figure is a polyhedron. Name the figure.
- Find n. $1600 - 1200 = n$
- The distance around a polygon is its ___?___.
- If Eddie works 7 of 24 hours, how many hours would he work in 72 hours?

- A number is divisible by 10 if the last digit is a ___?___.
- Find n. $24 - (6 \times 2) = n$
- Tell if the figure is a polyhedron. Name the figure.
- Sheila can walk 4 km in one hour. At this rate, how long will it take her to walk 5 km?

- To write a percent for a decimal, move the decimal point ___?___ places to the ___?___.
- Find n. $143 \times 0 = n$
- TRUE OR FALSE: An angle bisector divides an angle into two equal angles.
- Ann has three boards that are each 3/4 inches thick. Together, are these boards thicker than another board that is 2 inches thick?

- State 0.8% as a decimal.
- Find n. $(17 - 5) \div (18 \div 3) = n$
- TRUE OR FALSE: The bisector of a line segment forms two right angles with the line.
- Susie baby-sits for 3 hours a day for 5 days a week. How much does she earn per week if she charges $1.50 per hour?

- State the additive and multiplicative inverse of 1/2.
- Find n. $596 \times 1000 = n$
- In a ___?___, each pair of opposite sides are parallel and each pair of opposite sides and opposite angles are congruent.
- A salesperson made a commission of 25% on a $60 item. How much was the salesperson's commission?

- To write a decimal for a percent, move the decimal point ___?___ places to the ___?___.
- Find n. $12 + (10 \times 10) = n$
- A regular octagon has a perimeter of 176 cm. What is the length of each side?
- A bracelet and a pair of earrings cost $120. The bracelet cost $59.80. How much did the earrings cost?

- State 5/4 as a percent.
- Find n. $6 \times 12 \div 2 = n$
- Name the polygon that has three diagonals from one vertex.
- Eight books were returned to the library. Seven were returned on time and one was overdue. What percent of the books were returned on time?

- State the property for $(7 + 3) + (7 \times 6) = 7(3 + 6)$.
- Find n. $4^2 - 2 = n$
- The formula for finding the distance around a circle when the diameter is given is ___?___.
- If 10 photographs total $16, how much will 25 photographs cost?

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Math Trivial Pursuit

- Zero
- n = 12
- No; cone
- 1 hour 15 minutes

Math Trivial Pursuit

- No; cylinder
- n = 400
- Perimeter
- 21 hours

Math Trivial Pursuit

- .008
- n = 2
- True
- $22.50

Math Trivial Pursuit

- Two; right
- n = 0
- True
- Yes

Math Trivial Pursuit

- Two; left
- n = 112
- 22 cm
- $60.20

Math Trivial Pursuit

- -1/2; 2/1
- n = 596,000
- Parallelogram
- $15.00

Math Trivial Pursuit

- Distributive property of multiplication over addition
- n = 14
- $C = \pi d$
- $40.00

Math Trivial Pursuit

- 125%
- n = 36
- Hexagon
- 87.5%

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- Which measure is more precise: 23.1 m or 23.1 cm?
- Find n. $3^2 + 1^2 = n$
- Tell if the figure is a polyhedron. Name the figure.
- You leave Philadelphia at 12:21 p.m. for Miami. The flight takes 2 hours 27 minutes. What time will you arrive in Miami?

- A number is divisible by ? if the number represented by its last two digits is divisible by 4.
- Find n. $1.6 \times .03 = n$
- If $\overleftrightarrow{AB}$ and $\overleftrightarrow{EF}$ have no common point, they are ?.
- Jerry's salary is $21,000 per year. His rent is $5250 per year. What percent of his salary is spent on rent?

- The sum of an integer and its opposite is ?.
- Find n. $42 - 38 = n$
- TRUE OR FALSE: A hexagon has seven sides and seven vertices.
- Kevin's mother bought an 8 kg turkey for dinner. If 16 people come for dinner, how many grams of turkey can each person have?

- Is 8490 divisible by 2?
- Find n. $15(1.5 + 1.5) = n$
- The distance around a circle is called its ?.
- Pattie needs 5 kilograms of sugar. She can only buy it in 1000 gram bags. How many bags must she buy?

- A number is divisible by ? if its last digit is 0, 2, 4, 6 or 8.
- Find n. $486 \times 10{,}000 = n$
- TRUE OR FALSE: A square is a regular quadrilateral.
- Light travels 5,870,000,000,000 miles in one year. State this distance in scientific notation.

- Is 9070 divisible by 5?
- Find n. $10(2.5 + 1.5) = n$
- A garden is 38 m long and 26 m wide. How much fencing is needed to enclose the entire garden?
- You will need $125 more than you have in savings to buy a used car that costs $2250. How much money do you have in your savings account?

- To place the decimal point in a product, you find the sum of the number of ? places in the factors.
- Find n. $6 - 2.62 = n$
- TRUE OR FALSE: A polygon has three or more sides.
- On vacation, you plan to drive 320 miles a day. The trip will take 3 days. How far will you travel on vacation?

- The product of a negative integer and a negative integer is a ? integer.
- Find n. $(2.7 \times 10) + (3.3 \times 10) = n$
- What is the area of a stained glass panel if it is 120 cm long and 20 cm wide?
- Dan's mom bought 12 grapefruit that weighed an average of 1/2 kg each. How many grams did each grapefruit weigh?

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Math Trivial Pursuit

- 4
- n = .048
- Parallel
- 25%

Math Trivial Pursuit

- 23.1 cm
- n = 10
- Yes; rectangular pyramid
- 2:48 p.m.

Math Trivial Pursuit

- Yes
- n = 45
- Circumference
- 5 bags

Math Trivial Pursuit

- 0
- n = 4
- False—6 sides and 6 vertices
- 500 grams

Math Trivial Pursuit

- Yes
- n = 40
- 128 m
- $2125

Math Trivial Pursuit

- 2
- n = 4,860,000
- True
- 5.87×10^{12}

Math Trivial Pursuit

- Positive
- n = 60
- 2400 sq. cm
- 500 grams

Math Trivial Pursuit

- Decimal
- n = 3.38
- True
- 960 miles

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- An ? is a number sentence with an equal sign.
- Find n. $3.21 \times 10^2 = n$
- A ? is a polyhedron with two parallel and congruent faces called bases.
- A basketball costs $15.50 and a baseball costs $3.50. How much more does the basketball cost than the baseball?

- A whole number that has exactly two factors is called a ? number.
- Find n. 30% of 120 = n
- TRUE OR FALSE: A space figure is a geometric figure whose points do not all lie in the same plane.
- John bought a book on sale for 33 1/3% off. The regular price was $4.20. What did John pay for the book?

- A whole number is divisible by 2 if its last digit is an ? number.
- Find n. $5 \times (-5) = n$
- The area of a parallelogram is 1000 sq. m. The height is 25 m. How long is the base?
- An item costs $58. How much sales tax will be paid if the tax rate is 5%?

- Thirteen is what percent of 20?
- Find n. 17.3 mm + 13.7 mm = n
- A ? is a unit of distance equal to 220 yards.
- If electricity for a night light costs 13¢ per month, what is the cost of electricity for one year?

- A number is divisible by 5 if the last digit in the number ends in a ? or a ?.
- Find n. $0.621 \times 100 = n$
- A woven circular mat has a diameter of 36 cm. What area can the mat cover?
- State the missing information. If Timmy buys 3 shirts, what is his total bill?

- Is 2835 divisible by 9?
- Find n. $10^{-7} \div 10^{-2} = n$
- What is the area of the largest circle that can be cut from a square measuring 4 cm on a side?
- Audrey has 350 books. She wants to build shelves holding 10 books each. Will the books fit exactly on 35 shelves?

- The first number in an ordered pair is the ?.
- Find n. $1000 \times 4.61 = n$
- $V = \pi r^2 h$ is the formula for what geometric figure?
- Jeans cost $22.50 a pair and shirts cost $14.95 each. What is the total cost of 4 pairs of jeans and 3 shirts?

- In a coordinate plane, the horizontal number line is called the ?.
- Find n. $n + (+8) = +12$
- The length of one side of a regular polygon is 9 inches. The figure is a triangle. Find the perimeter.
- How much is 1% of 1500 bushels of wheat?

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Math Trivial Pursuit

- Prime
- n = 36
- True
- $2.80

Math Trivial Pursuit

- Equation
- n = 321
- Prism
- $12.00

Math Trivial Pursuit

- 65%
- n = 31 mm
- furlong
- $1.56

Math Trivial Pursuit

- Even
- n = -25
- 40 m
- $2.90

Math Trivial Pursuit

- Yes
- $n = 10^{-5}$
- n = 12.56 sq. cm
- Yes

Math Trivial Pursuit

- 5; 0
- n = 62.1
- 1017.36 sq. cm
- The cost of one shirt

Math Trivial Pursuit

- "x" axis
- n = +4
- 27 inches
- 15

Math Trivial Pursuit

- "X" coordinate
- n = 4610
- Cylinder
- $134.85

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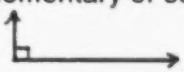
- State the median for the numbers 1, 4, 6, 2, 7, 4, 8, 5, 3.
- Find n. $15 - 3\,4/7 = n$
- Football is played on a field 360 feet long and 160 feet wide. What is the perimeter of the field?
- Your basketball team won 18 of 36 games. What percent of the games did the team win?

- The result obtained when one number is divided by another is the ___?___.
- Find n. $20 \div 3\,1/5 = n$
- The perimeter of a rectangle is 80 m. The length is 25 m. What is the width?
- Paul borrowed $3000 from a bank. He must pay back the money over two years in equal monthly installments. How much is each payment if finance charges total $878.88?

- A number that is a multiple of two or more multiples is called a ___?___.
- Find n. 9% of 300 = n
- A ___?___ is a polyhedron with only one base.
- You earn $8 per hour and work 35 hours per week. Weekly deductions amount to $72. What is your yearly net pay?

- Another word for *average* is ___?___.
- Find n. $4/9 \times 5/6 = n$
- Is the angle complementary or supplementary?



- For what does the abbreviation "mpg" stand?

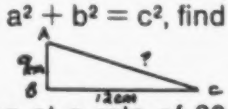
- To check subtraction, you use the operation of ___?___.
- Give the number of vertices on this figure.

- $A = \left(\frac{a+b}{2}\right)h$ is the formula for finding the area of what geometric figure?
- Three strips of bacon contain 237 calories. How many calories are there in 9 strips of bacon?

- Is the number 1197 divisible by 3 and 9?
- Find n. 1% of 85 = n
- How many more degrees would have to be added to an angle measuring 86° in order for it to be a supplementary angle?
- A merchant pays $12.50 each for 600 pairs of pants. He marks them up 110%. How much profit will he make when all the pants are sold?

- State 65% as a fraction in lowest terms.
- Find n. $3/8 + 2/5 = n$
- $A = \pi r^2$ is the formula for what geometric figure?
- You work 40 hours per week and earn $3.50 per hour. Deductions amount to $36 per week. Find your net pay.

- State the mode for the numbers 10, 12, 15, 20, 16, 13, 14, 12.
- Find n. $3/10 + 2/5 + 1/2 = n$
- Using the formula $a^2 + b^2 = c^2$, find the length of c.



- A football traveling at a rate of 20 yards per second was caught by a receiver 2 1/4 seconds after it was thrown. How many yards did the ball travel?

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GA1074

- Quotient
- n = 6 1/4
- 15 m
- $161.62

- 4
- n = 11 3/7
- 1040 feet
- 50%

- Mean
- n = 10/27
- Complementary
- Miles per gallon

- Common multiple
- n = 27
- Pyramid
- $10,816

- Yes
- n = .85
- 94°
- $8250

- Addition
- n = 8
- Trapezoid
- 711 calories

- 12
- n = 1 1/5
- c = 15 cm
- 45 yards

- 13/20
- n = 31/40
- Circle
- $104.00

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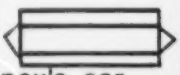
GA1074

- State as a single power of 10: $10^3 \times 10^5$.
- Find n. $10^{-5} \div 10^1 = n$
- The pattern, when folded, is what geometric figure? 
- TRUE OR FALSE: Mr. Knox's car goes 425 miles on a tank of gasoline. He filled his car and drove 880 miles. Mr. Knox filled his car up just once during the trip.

- State the property for 5/11 + -5/11 = 0.
- Find n. 5 2/5 × 8 1/3 = n
- Give the number of faces on this figure.
- Cashews are $3.49 per pound. Peanuts are $1.79 per pound. Walnuts are $3.09 per pound. How much would it cost to buy 2 pounds of each?

- In a coordinate plane, the vertical number line is called the ___?___.
- Find n. 3.3 × 0.008 = n
- Identify this geometric figure.
- A sofa is on sale for $349.99. If it sold for $410, how much could you save by purchasing the sofa on sale?

- On a coordinate place, the x axis and y axis meet at a point called the ___?___.
- Find n. 0.076 - 0.065 = n
- There are ___?___ vertices on a rectangular prism.
- Pat received a 40% discount off the price of a book that regularly sold for $12.45. What was the amount of the discount?

- Give the additive and multiplicative inverse of -3/4.
- Find n. $10^5 \div 10^4 = n$
- Identify the geometric figure.
- A player scored 78, 75, 71 and 72 to win a golf tournament. What was the average score?

- What is the prime factorization of 56?
- Find n. 30n = 270
- TRUE OR FALSE: A cone is not a polyhedron.
- If 3 pairs of socks cost $11, how many pairs can be bought for $44?

- To use rounded numbers in computation is to ___?___.
- Find n. n is 200% of 45
- For what is $2\ \pi r^2 + \pi dh$ the formula?
- The highway mpg for a car is 30. Gasoline costs $1.09 per gallon. Estimate to the nearest dollar the cost to drive the car 1200 miles on a highway.

- A whole number is divisible by 6 if it is divisible by both ___?___ and ___?___.
- Find n. 56.49 ÷ 7 = n
- Is a cylinder an example of a polyhedron?
- If 27 packages are left from a delivery of 300, what percent is left?

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GA1074

Math Trivial Pursuit

- Inverse property of addition
- n = 45
- 5
- $16.74

Math Trivial Pursuit

- 10^{6}
- $n = 10^{-6}$
- Triangular prism
- False—he needed to fill it three times

Math Trivial Pursuit

- Origin
- n = 0.011
- 8
- $4.98

Math Trivial Pursuit

- "x" axis
- n = 0.0264
- Sphere
- $60.01

Math Trivial Pursuit

- $2^{3} \times 7$
- n = 9
- True—because its surface is curved
- 12 pairs

Math Trivial Pursuit

- 3/4; -4/3
- $n = 10^{1}$
- Pentagonal pyramid
- 74

Math Trivial Pursuit

- 2, 3
- n = 8.07
- No
- 9%

Math Trivial Pursuit

- Estimate
- n = 90
- Surface area of a cylinder
- $44.00

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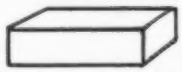
GA1074

- -4 is read ___?___.
- Find n. $39.16 + 18.75 = n
- Is the figure a polyhedron?



- TRUE OR FALSE: Food prices are decreased by the amount of labor involved in preparing an item for sale.

- Complete the pattern. 1/2, 1/6, 1/18, 1/54, ___?___, ___?___
- Find n. $5/9 \times 45 = n$
- How much water is needed to fill a pool that is 30m long, 20m wide, and 3m deep?
- Chris helped to replace worn covers on books. She replaced 12 covers in one hour. How many hours did it take to replace 144 covers?

- State the range for the following series of numbers: 9, 12, 8, 10, 16, 9.
- Find n. $0.034 \times 1000 = n$
- A ___?___ is a collection of points along a straight path.
- If 5% sales tax is charged on a $30 purchase, what is the final cost?

- What is another name for *median*?
- Find n. $6/9 \div 1/3 = n$
- What is the perimeter of a 6-foot square?
- Mary Anne paid $51.20 for ski boots. A discount saved her $12.80. What was the original price of the boots?

- The greater of two integers is the integer that is farther to the ___?___ on the number line.
- Find n. $9\ 1/6 \times 2/5 = n$
- An ___?___ has two rays with a common vertex.
- A group of children earned $18 collecting aluminum cans. Each can was worth 2¢. How many cans did they collect?

- To express a number in scientific notation, write it as a product so that the first factor is between ___?___ and ___?___ and the second factor is a power of ___?___.
- Find n. $26/40 = n/100$
- Prisms and pyramids are named according to the shapes of their ___?___.
- How many years are equal to a century?

- Is 3/15 a fraction in lowest terms?
- Find n. 25% of 80 = n
- A cone and a cylinder have the same size base and height. Which has the greater volume?
- Two trains that are 30 miles apart are traveling toward the same station. How far apart are they after one travels 8 miles and the other travels 12 miles?

- A ___?___ table shows the number of times different events or responses occur.
- Find n. $7/8 - 2/3 = n$
- Identify this figure.

- What is the amount you will have to repay if you borrow $8000 at 12% interest per year for 10 years?

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GA1074

Math Trivial Pursuit

- 1/162, 1/486
- n = 25
- 1800 cu. m
- 12 hours

Math Trivial Pursuit

- The absolute value of -4
- n = $57.91
- Yes
- False—increase

Math Trivial Pursuit

- Middle
- n = 6/3 or 2
- 24 feet
- $64.00

Math Trivial Pursuit

- 8
- n = 34
- Line
- $31.50

Math Trivial Pursuit

- 0; 10; 10
- n = 65
- Bases
- 100 years

Math Trivial Pursuit

- Right
- n = 11/3 or 3 2/3
- Angle
- 900 cans

Math Trivial Pursuit

- Frequency
- n = 5/24
- Triangular pyramid
- $17,600

Math Trivial Pursuit

- No; 1/5
- n = 20
- Cylinder
- 10 miles

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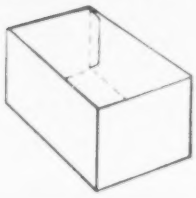
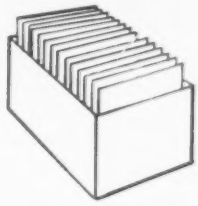
Meet the Author
Pat Dunn, SSND, has spent the past twenty-five years in elementary education as an administrator and teacher in schools in the Midwest. Most of her career has been working with junior high students in math. She taught two years at Kino Learning Center, an alternative educational school, in Tucson, Arizona.

Finished box:



Filled box:



Math Trivial Pursuit

BOX PATTERN for Math Trivial Pursuit Cards

INSTRUCTIONS: Cut out box on solid black lines. Gently crease at dotted lines using a razor blade or X-acto knife. Fold into a box shape. Use glue and strapping tape to reinforce box on the inside. Place cards inside box and use in a learning center.

Math Trivial Pursuit

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Good Apple, Inc.
P.O. Box 299
Carthage, IL 62321-0299